

Bellringer:

What is natural selection?
↓ mechanism evolution

How is life organized?

8/28/13
Bellringer

Aug 28-11:53 AM

1.1-1.2

Grade: 12th
Subject: Adv Bio
Date: 8/28/13

Aug 28-9:33 AM

1 The _____ is the basic unit of life.

cell

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2 The term _____ means more than one cell.

multicellular

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atom
3 The ~~molecule~~ is the lowest level of biological organization.

True

False

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4 The correct order for the highest level of biological organization is...

A organ, organ system, organism, population

B population, community, biosphere, ecosystem

C cell, tissue, organ, organ system

D population, community, ecosystem, biosphere

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5 The term emergent properties refers to newly evolved features that form as biological complexity increases.

True

False

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6 Energy is the capacity to do work.

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metabolism

- 7 The term ~~photosynthesis~~ encompasses all the chemical reactions that occur in the cell.

True

False

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- 8 Genes contain specific information for how an organism is to be ordered; made of DNA.

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Bellringer:

→ solve problems

• What is the scientific method?

→ what are the methods?

• What is the biological organization of the biosphere?

Biosphere
 Ecosystem
 Community
 Population
 Organism
 Organ System
 Organ
 Tissue

Cell
 molecules
 Atom

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You have many tomato plants.
 A name-brand fertilizer advertises
 that it will produce bigger + more
 D.V. tomatoes than the generic
 brand of fertilizer. Design
 an experiment to test this.

D K P C O F G S
 ←————→
Homo sapiens

Prokaryotes
 ↙ ↘
 Bacteria Archaea
 single-celled

Eukaryotes
 ↘
 you
 multicellular

Sep 3-12:38 PM

Bellringer

- What is biodiversity?
- Why is biodiversity important?
- How do humans affect Biodiversity?

Sep 4-11:43 AM

1.2 Review

Grade: 12th
Subject: Adv Bio
Date: 8/29

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- 1 _____ is the discipline of identifying and grouping organisms according to certain traits.

Taxonomy

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- 2 There are two domains in the Eukaryotes and one in the Prokaryotes.

True

False

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3 Protists, range from unicellular to multicellular in form and comprise a number of kingdoms.

True
False

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4 The process of _____ makes modification (evolution) and adaptation possible.

natural selection

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5 _____ are multicellular photosynthetic organisms.

Plants

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6 _____ are the familiar molds and mushrooms that, along with bacteria, help decompose dead organisms.

Fung:

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- 7 _____ are multicellular organisms that must ingest and process their food.

Animals

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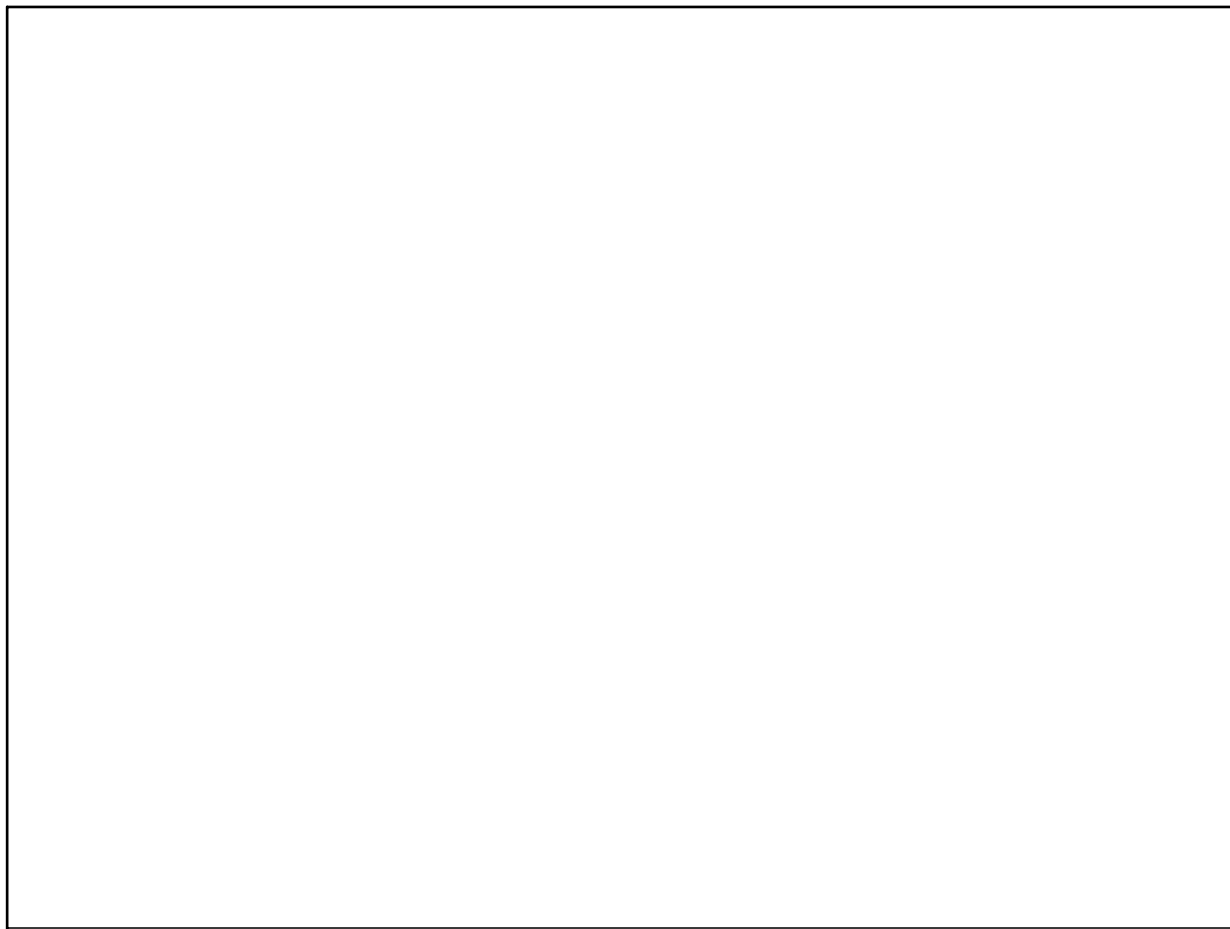
- 8 In binomial nomenclature, which includes the genus and the species, the species is always capitalized.

True

False

Genus	species
Homo	Sapien

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